

What is claimed is:

1. A system for remotely monitoring and controlling at least one HVAC device, comprising:
a server with communications access to an entry device and said at least one HVAC device;
querying means for querying said at least one HVAC device for status information on a regular basis or when requested by a message from said entry device; and
means for sending said status information to said entry device in response to said querying.

2. A system according to claim 1, further comprising:
means residing in said server for checking for messages from said at least one HVAC device; and
means residing in said server for sending an alarm message to said entry device when an alarm message is received from said at least one HVAC device.

3. A system according to claim 2, further comprising means for automatically sending alarm messages from said at least one HVAC device through said server to said entry device.

4. A system according to claim 2, further comprising a first database in said server relating to a status of said at least one HVAC device.

5. A system according to claim 4, further comprising a second database which includes at least one password, at least one user name associated with said at least one password, and at said least one HVAC device associated with said at least one user name.

Sub
A2

6. A system according to claim 4, further comprising means for automatically updating said first database on a regular basis in the absence of said message from said entry device.

2001/12/26

7. A system according to claim 1, further comprising means for changing settings on said at least one HVAC device from said entry device.

8. A system according to claim 1, wherein said entry device is one of a handheld computer, a cell phone, and a personal data assistant.

9. A system according to claim 1, wherein said communications access includes connections over the Internet.

10. A system according to claim 1, wherein said communications access includes connections over the GSM network.

11. A system according to claim 1, wherein said communications access includes connections over both the Internet and the GSM network.

09E79853-100500

Sub
A3

12. A system for remotely monitoring and controlling at least one HVAC device, comprising:

a server with communications access to an entry device and said at least one HVAC device;

querying means for querying said at least one HVAC device for status information when requested by a message from said entry device;

means for sending said status information to said entry device in response to said querying means;

means residing in said server for checking for messages from said at least one HVAC device;

means residing in said server for sending an alarm message to said entry device when an alarm message is received from said at least one HVAC device;

Cont
A3

13 means for automatically sending alarm messages from said at least one
14 HVAC device through said server to said entry device;
15 a database in said server relating to a status of said at least one HVAC device;
16 means for automatically updating said database on a regular basis in the
17 absence of said message from said entry device; and
18 means for changing settings on said at least one HVAC device from said entry
19 device.

1 13. A method for remotely monitoring and controlling at least one HVAC device,
2 comprising the steps of:

3 providing a server with communications access to an entry device and said at
4 least one HVAC device;

5 querying said at least one HVAC device for status information when requested
6 by a message from said entry device; and

7 sending said status information to said entry device in response to said
8 querying means.

1 14. A system according to claim 13, further comprising the steps of:

2 checking for messages from said at least one HVAC device;

3 transferring said messages from said at least one HVAC device to said server;

4 and

5 sending an alarm message from said server to said entry device when an alarm
6 message is received from said at least one HVAC device.

1 15. A method for remotely monitoring and controlling at least one HVAC device,
2 comprising the steps of:

3 providing a server with communications access to an entry device and said at
4 least one HVAC device;

5 querying said at least one HVAC device for status information on a regular
6 basis or when requested by a message from said entry device;

7 sending said status information to said entry device in response to said
8 querying;
9 checking for messages from said at least one HVAC device;
10 automatically updating a database in said server relating to a status of said at
11 least one HVAC device on a regular basis in the absence of said message from said
12 entry device; and
13 changing settings on said at least one HVAC device from said entry device.

1 16. A method according to claim 15, further comprising the steps of:
2 sending an alarm message to said entry device when an alarm message is
3 received from said at least one HVAC device; and
4 automatically sending alarm messages from said at least one HVAC device
5 through said server to said entry device.

Add
A4

Add
C1